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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,152	08/01/2003	Rodney S. McKenzie	RAYO 9324(RP-1610A)	5432
49376	7590 06/02/2006		EXAMINER	
SENNIGER	R POWERS (RAYO)	WILLIAMS, SHERMANDA L		
ONE METR	OPOLITAN SQUARE		ART UNIT	PAPER NUMBER
ST. LOUIS,			1745	
			DATE MAILED: 06/02/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/633,152	MCKENZIE ET AL.			
Office Action Summary	Examiner	Art Unit			
	Shermanda L. Williams	1745			
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet with the o	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	PATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 01 A	Nugust 2003.				
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under i	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposition of Claims					
4) Claim(s) <u>1-63</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) <u>1-63</u> are subject to restriction and/or	wn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicationity documents have been receive nu (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)	4) 🗀 Intonious Summer	(PTO 413)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:				

DETAILED ACTION

NICKLE-PLATED SCREEN FOR ELECTROCHEMICAL CELL

Examiner: Williams

S.N. 10/633152

Art Unit: 1745

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Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-12, and 16 are drawn to a cathode assembly for a metal air cell, classified in class 429, subclass 27.
 - II. Claims 13-15, and 17-29 are drawn to a metal air cell, classified in class429, subclass 156.
 - III. Claims 30-38 are drawn to a process of fabricating a cathode assembly, classified in class 502, subclass 101.
 - IV. Claims 39-44, and 63 are drawn to a process for producing a metal air cell, classified in class 29, subclass 623.1.
 - Claims 45-52 are drawn to a method for producing a cylindrical metal-air
 cell, classified in class 29, subclass 623.1.
 - VI. Claims 53-62 are drawn to a process for fabricating an electrochemical cell, classified in class 29, subclass 632.2.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions IV and V are directed to related processes. The related inventions are distinct if the inventions as claimed do not overlap in scope, i.e., are mutually exclusive; the inventions as claimed are not obvious variants; and the inventions as claimed are

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either not capable of use together or can have a materially different design, mode of operation, function, or effect. See MPEP § 806.05(j). In the instant case, the listed processes can have a materially different design and different mode of operation. For example, invention IV doesn't' require the positioning of the carbon catalyst to receive ambient air as required by invention V. Also, invention IV does not require the step of winding the cathode assembly into an annulus, as does invention V. Invention V does not require the cathode can having air ports to surround the anode can as does invention IV. These are examples of materially different designs and different modes of operation.

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3. Inventions I, II, III, and VI are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions pertain to a cathode assembly, a metal air cell, a method of fabricating a cathode assembly, and a method for producing an electrochemical cell. These inventions are classified in various classes, have different designs and modes of operation. For example, invention I do not require the step of pressure bonding the mesh as does invention III. Invention II does not require the step of immersing the partially bonded mesh in a nickel salt as does invention VI. Invention II does not require the electroplating apparatus including a current source electrically connected to the partially bonded mesh and a mass of nickel as does invention VI. Invention II and III have different designs. For example, Invention III does not require the separator to be disposed between the cathode assembly and the anode material as does Invention II.

Inventions I and VI are disclosed have different designs. For example, Invention VI requires the compressing of a cathode assembly against the inside of the container to form a seal. This is not a part of the design or operation of Invention I.

4. Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

- 5. Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.
- Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

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or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shermanda L. Williams whose telephone number is (272) 571-8915. The examiner can normally be reached on Mon.-Thurs. 7 AM - 4:30 PM and alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (272) 571-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER